

# Research Toolbox

## North Dakota State Library Summer Class 2016

15 hours, 1 Credit Course

**Location:** North Dakota State Library, Bismarck

**Dates:** Thursday & Friday, July 7<sup>th</sup> and 8<sup>th</sup> (8:30am–5pm)

### Instructor:

Steve Axtman

North Dakota State Library

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Steve is the Training Coordinator at the North Dakota State Library where he has been employed since June 2006. He has a Bachelor of Arts degree in Religious Studies from the University of North Dakota and a Masters of Library Science degree from Emporia State University.

### Course Description:

#### Research Toolbox

Search engines and databases are tools. Choose the right tool for the task. An Internet search engine, like Google, may be the right tool for some information needs. However, there is no quality control mechanism on the Internet; consequently, learning how to judge online information is an essential literacy skill. Library databases are most appropriate for academic research. Information retrieved in a database search is cited, more manageable, and will often give opposing viewpoints. This course will focus on research as a process of inquiry and resource evaluation.

### Learning Objectives:

*Objective:* Learn how information is found, evaluated and used in academic research, consumer decisions, on the job, and for decision making in a democratic culture.

*Objective:* Learn effective searching and evaluation techniques for Internet resources and the various subscription educational databases.

*Objective:* Learn how to incorporate educational resources into classroom instruction, student assignments, and professional development.

## Day 1 – Thursday, July 7, 2016

8:00-9:00

- Introductions / name tags / register with university
- Course Syllabus / Project / Jump drive
- North Dakota State Library
  - Homepage
  - Databases
  - Guides & Tutorials
  - Free Trainings

9:00- 12:00

- Information Literacy / Critical Thinking
- Effective Research
  - How do search engines & databases differ?
  - Surface Web / Deep Web
  - Boolean, Google, and Keyword searching (Ctrl F)
  - Skill of asking questions
  - Prepare to be wrong
    - Admitting you don't know is the beginning of wisdom
    - Scientific Revolution accepted ignorance as starting point
- Tour of NDSL
- Databases:
  - Who gets what? Procurement?
  - ODIN list & NDSL databases list
  - Student obstacles for usage
- The catalogs: Classic ODIN, Primo, WorldCat.org
  - Demonstrate ILL

12:00-1:00 Lunch (on your own)

1:30- 5:00 Public library databases that have school library applications

- MasterFILE Premier
- ProQuest News
- Ancestry Library Edition - schools and public libraries only
- Consumer Health Complete
- Health Source: Nursing/Academic Edition
- Business Source Premier
- Rocket Languages
- Freegal Movies
- Freegal Music
- Freading (download ebooks)
- Zinio (download magazines)

## **Day 2 – Friday, July 8, 2016**

8:00-9:45 Educational databases

- Educators Reference Complete
- Professional Development Collection
- Tutor ND
- NoveList K-8 Plus / NoveList Plus
- Britannica School
- Kids InfoBits
- eLibrary Elementary
- eLibrary
- Student Resources in Context
- Points of View Reference Center / ProCon.org
- Academic Search Premier
- Expanded Academic
- Britannica Academic Edition
- Literary Reference Center
- General Science Collection
- Science Reference Center
- CAMIO - can only access from schools and public libraries

10:00-11:30

- Walking Tour of the Capitol Building
- Scenic path back to State Library

12:00-1:00 Lunch (on your own)

1:00-3:00 Educational databases (continued)

- Discussion
- Share Favorite Teaching & Learning websites
- Questions
- Recap

3:00-5:00

- Class evaluations
- Time to Work on the Project
- Computer Lab reserved

## Project:

Create a lesson plan on a topic of your choosing that incorporates at least THREE different resources. TWO of the resources MUST be from the [Online Library Resources](#) presented during the class. Use the Lesson Plan template, which is on the jump drive.

Project is due: Friday, July 15, 2016

For each resource chosen, answer the following questions in one or two sentences:

- 1) Why did you select this resource?
- 2) How does this resource *complement* other resources in your school library collection?
- 3) How will using this resource help your students achieve information literacy?

## Rubrics (Grade & S/U)

100%- A (S)	Student attends entire session and actively participates in discussions and activities. Lesson plan demonstrates a clear understanding of the materials presented; is well organized; has few grammatical, punctuation, or spelling errors; and correctly follows prescribed directions.
80%- B (S)	Student attends entire session and participates in discussions and/or activities. Lesson plan demonstrates an understanding of the materials presented; is organized in a logical manner; has several minor grammatical, punctuation, or spelling errors; and correctly follows prescribed directions.
60%- C (S)	Student attends entire session. Lesson plan is completed on time, but is poorly organized; has frequent grammatical, punctuation, or spelling errors; and deviates from the prescribed directions.
<60%- F (U)	Student fails to attend sessions, does not turn in the assignment, or violates academic honesty policy.

## Statement of Academic Honesty:

Integrity of scholarship is essential for an academic community and the protection of intellectual work. For students, this means that all academic work will be done by the individual to whom it is assigned, without unauthorized aid of any kind.

## Students with Disabilities:

Any student who feels she/he may need an accommodation based on the impact of a disability should contact me privately to discuss your specific needs. We will coordinate reasonable accommodations. Please contact: Steve Axtman, North Dakota State Library, 604 E Boulevard Ave., Bismarck, ND 58505, 701-328-4654, [saxtman@nd.gov](mailto:saxtman@nd.gov).